

Converting Colors

XYZ(67.7992, 72.4860, 48.9459)

Have a look what the booklet for
XYZ(67.7992, 72.4860, 48.9459)
contains.

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Color

**XYZ(67.7992, 72.4860,
48.9459)**

Conversions

Conversions Part 1

Format	Color
Hex	ECDDAB
RGB	236, 221, 171
RGB Percent	93%, 87%, 67%
CMY	0.0745, 0.1333, 0.3294
CMYK	0.00, 0.06, 0.28, 0.07
HSL	46°, 63%, 80%
HSV	46°, 28%, 93%
XYZ	67.7992, 72.4860, 48.9459
YIQ	219.7850, 24.9900, -12.3700

Conversions

Conversions Part 2

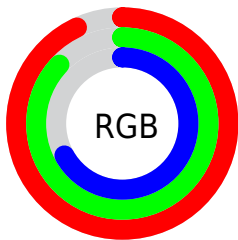
Format	Color
RYB	191, 236, 171
Decimal	15523243
CIELab	88.20, -2.40, 26.45
CIElCh	88, 26.559, 95.175
Yxy	72.4860, 0.3583, 0.3831
Android (android.graphics.Color)	4293713323 (0xFFECDDAB)
YUV	219.7850, -24.0510, 14.2206
Hunter-Lab	85.1387, -6.8464, 25.5115

Details

The XYZ color **67.7992, 72.4860, 48.9459** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.4936, 49.8306, 86.3668**, and the grayscale version is **68.0293, 71.5721, 77.9421**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **35.4966, 38.1641, 22.6351** is the 20% darker color. If you saturate the color by 10%, you get **64.3339, 68.8395, 37.6660**, and if you desaturate by 10%, it is **71.7165, 76.3929, 62.3596**.

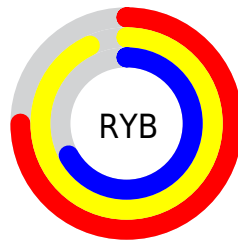
Distribution



Red (93%)

Green (87%)

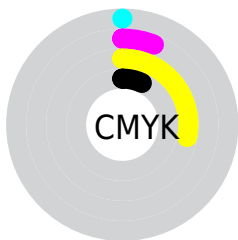
Blue (67%)



Red (75%)

Yellow (93%)

Blue (67%)

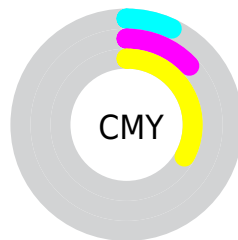


Cyan (0%)

Magenta (6%)

Yellow (28%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7992, 72.4860, 48.9459 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 67.7992, 72.4860, 48.9459 by changing the saturation by 10% instead.

67.7992, 72.4860,
48.9459

67.7992, 72.4860,
48.9459

442.1721,
469.2314, 399.1456

50.0075, 53.5558,
34.2113

115.1083,
122.7472, 89.9913

35.6372, 38.2466,
22.7773

145.3564,
154.8471, 117.1391

24.3229, 26.1742,
14.2254

180.4874,
192.1055, 149.2617

15.6994, 16.9540,
8.1371

220.8665,
234.9070, 186.7776

9.4012, 10.2017,
4.0937

266.8592,
283.6360, 230.1054

5.0630, 5.5329,
1.6769

318.8308,

2.3194, 2.5632,

338.6768, 279.6637

0.3448

377.1467,
400.4138, 335.8709

■ 0.8046, 0.9082,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7992, 72.4860,
48.9459

■ 67.7992, 72.4860,
48.9459

■ 64.3339, 68.8395,
37.6660

■ 71.7165, 76.3929,
62.3596

■ 61.2933, 65.4343,
28.4028

■ 76.1005, 80.5593,
78.0070

■ 58.6554, 62.2633,
21.0344

■ 80.9719, 84.9966,
95.9870

■ 56.3938, 59.3153,
15.4244

■ 84.6279, 89.0243,
107.3308

■ 54.4787, 56.5777,
11.4176

■ 86.2795, 92.3276,
107.8813

■ 52.8749, 54.0356,
8.8317

■ 87.9799, 95.7283,
108.4481

■ 51.5360, 51.6696,
7.4236

■ 88.4022, 96.5729,
108.5889

■ 51.2296, 51.1078,
7.1647

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1554, 72.4860, 51.2288



67.7992, 72.4860, 48.9459



62.0922, 72.4860, 53.6324

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7992, 72.4860, 48.9459



59.3809, 72.4860, 100.8548



80.5941, 72.4860, 94.5512

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.7992, 72.4860, 48.9459



49.4936, 49.8306, 86.3668

Split Complementary

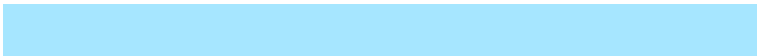
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1790, 72.4860, 111.1317



67.7992, 72.4860, 48.9459



63.8909, 72.4860, 115.1455

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7992, 72.4860, 48.9459



57.4266, 72.4860, 82.1245



70.0041, 72.4860, 119.1684



81.7985, 72.4860, 75.8095

Rectangle

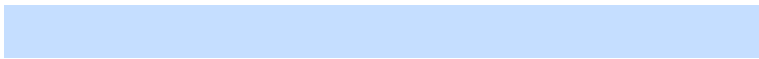
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7992, 72.4860, 48.9459



59.3421, 72.4860, 60.5763



70.0041, 72.4860, 119.1684



79.4235, 72.4860, 100.6484

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67.8011, 72.4893, 48.9474



90.4547, 95.7891, 92.0163



58.0363, 50.5118, 53.2391



19.1851, 20.3383, 19.0589



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8011, 72.4893, 48.9474



78.4532, 83.9482, 50.5218



66.4599, 77.9400, 50.0702



16.0402, 17.0035, 15.9553



28.3415, 28.3773, 3.9836



2.2970, 2.3714, 0.3367

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.4936, 49.8306, 86.3668



53.2823, 52.8019, 101.9912



50.5253, 45.9167, 85.5570



14.5132, 15.1128, 19.0744



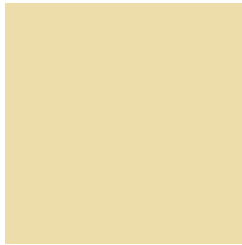
9.1653, 4.9777, 44.2207



0.7911, 0.5337, 3.4962

Previews

White Background



This preview shows how the XYZ color 67.7992, 72.4860, 48.9459 looks on a white background.

Color Contrast Check

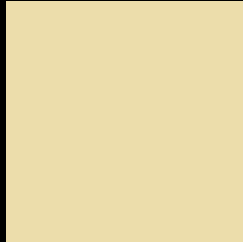
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 67.7992, 72.4860, 48.9459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

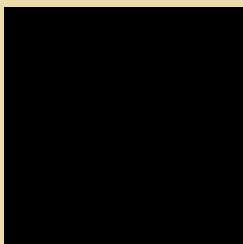
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

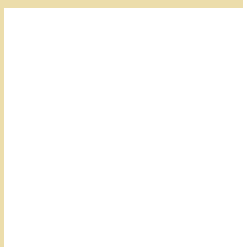
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7992, 72.4860, 48.9459

Background



This preview shows how black text looks on a background with the XYZ color 67.7992, 72.4860, 48.9459.

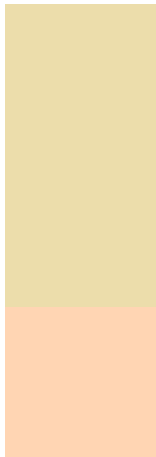


This preview shows how white text looks on a background with the XYZ color 67.7992, 72.4860,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

67.7992, 72.4860, 48.9459

Protanopia

67.7992, 72.4860, 48.9459

Deuteranopia

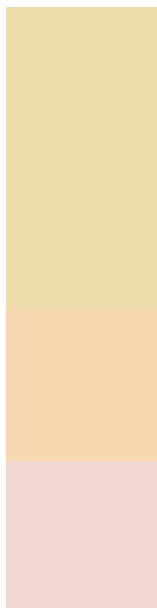
73.1709, 72.1032, 52.7086



Tritanopia

75.0393, 72.3564, 84.8741

Trichromacy



Original Color

67.7992, 72.4860, 48.9459

Protanomaly

67.7992, 72.4860, 48.9459

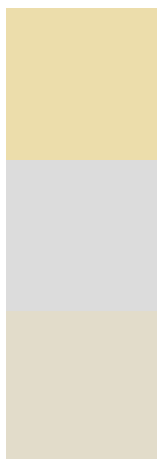
Deuteranomaly

71.1037, 72.2028, 51.2633

Tritanomaly

71.9997, 72.2404, 70.4706

Monochromacy



Original Color

67.7992, 72.4860, 48.9459

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.6179, 71.6194, 66.1372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7992, 72.4860, 48.9459 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 221, 171)` looks like.

```
.text, #text, p{  
    color:rgb(236, 221, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 221, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 221, 171) }
```

Border

The CSS property to change the border of an element to XYZ 67.7992, 72.4860, 48.9459 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 221, 171) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 221, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 221, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 221, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 221, 171); box-shadow:4px 4px 4px 4px rgb(236, 221, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7992, 72.4860, 48.9459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 221, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
221, 171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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